Study Questions for Midterm #4

Know what determines the size of waves

Know which gases are in the atmosphere, which is the most and which are they

Know what swells are and what generates them

Know what the carbon dioxide in the atmosphere comes from

Know how the sand move in longshore drift, beach drive, or sand drift

Know why and how the earth’s climate is changing according to the chapter

Know what can cause the Eustatic sea level to change

Know what characterizes the cryosphere

Know which human interactions do not increase coastal erosion

Know what best describes the concentrations of carbon dioxide in the atmosphere during the past 500 years

Know if a wave could pull a person out into the ocean rather than towards the shore

Know what climate refers to in regards to the weather in a certain area

Know where the area of the swash and backwash are as a wave moves on and off shore

Know the components of the atmosphere and the percentage of the atmosphere

Know where the sand moves on the shoreline as it moves up on the land

Know if global temperatures have fluctuated at any time during the distant past

Know where the sand moves due to longshore currents

Know if the melting ice caps are a problem

Know if the sea level fluctuates during the day

Know if cliffs are permanent features of shore due to the strong rock they are made of

Know the two major kinds of waves caused by the wind

Know the difference between weather and climate

Know the letter code system by definition

Know what the four coastal processes are

Know what four the “things” are needed for fire to burn

Know what happens in the pre-ignition process of a wildfire

Know the significance of the Tunguska River valley in Siberia in terms of asteroids

Know how impact craters are different from volcanic craters

Know what the important indicators of a regions showing it is prone to wildfires

Know how old the sun is

Know what scientists found that first caused them to hypothesize the extraterrestrial impact that cause the extinction at the K-T Boundary

Know what kind of vegetation dominated the three types of wildfires

Know what kind of options we have if we detect an asteroid is closing in on the Earth

Know what are ways for people to reduce greenhouse gases

Know what shape the solar system was as it was created

Know why park rangers might intentionally set fires in forests

Know what causes wildfires

Know were asteroids are mostly found in the solar system

Know where wildfires are more likely to move when burning

Know if mountains have a strong influence on wildfires

Know if extinctions of species is uncommon in Earth’s history and why

Know the differences between meteorite craters and craters made by other processes

Know where wildfires occur and why

Know how long we would have to study an object headed for the earth

Know what are the hypotheses for the causes of mass extinctions

Know how wildfires and human interaction changed over geologic and historical time

Know what meteorites and comets are made of

Know what effects wildfires have on the atmosphere.